KLIMOY, Valeriy Ivanovich; GORMIOY, V.M., insh., red.; DUGIMA, N.A.,

[Materials for cutting tools] Materialy reshushchikh instrumentov. Pod red, V.M.Gorelova. Isd.3. Moskva, Gos.nauchnotekhn.isd-vo machinostroit.lit-ry, 1958. 42 p. (Mauchnopopuliarnaia biblioteka rabochego stanochnika, no.5] (Metal-cutting tools) (MIRA 12:5)

PHASE I BOOK EXPLOITATION 1027

Klimov, Valeriy Ivanovich; Lerner, Anna Samoylovna; Pekarskiy, Mikhail Davydovich; Smirnov, Lev Nikolayevich; Shleymovich, Mark Abramovich

Spravochnik instrumental'shchika-konstruktora (Tool Designer's Handbook) 2d ed., rev. and enl. Moscow, Mashgis, 1958. 608 p. 40,000 copies printed.

Reviewer: Alekseyev, G.A., Engineer; Eds.: Rozin, A.I., Aronov, Z.M., and Ploskov, V.A., Engineers; Tech. Ed.: Dugina, N.A.; Executive Ed. (Ural-Siberian Division, Mashgiz): Bezukladnikov, M.A., Engineer.

PURPOSE: This handbook is intended for engineers, technicians and students in vuzes and tekhnikums.

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COVERAGE: In the handbook data are presented for the design of cutting tools for planing, drilling, boring, countersinking, milling, threading, broaching and gear cutting. Design data for high-speed and carbide tools for use on automatic and semiautomatic machines are also discussed. No personalities are mentioned. There are 55 Soviet references.

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12			

APPROVED FOR RELEASE: 09/18/2001 CIA-RDP86-00513R000723120018-7"

ROZIE, Aleksandr Losifovich; FEDOROV, V.N., insh., retsensent; KLINOV,
V.I., insh., retsensent; KUKLIE, L.G., kand.tekhn.nauk; retsensent; sent; RABOTIE, A.N., insh., retsensent; SHABASHOV, S.F., kand.
tekhn.nauk, retsensent; UVAROVA, A.F., tekhn.red.; DUGIMA, W.A.,
tekhn.red.

[Operator of machines for manufacturing metal-cutting tools]
Slesar' - instrumental'shchik. Isd.2., perer. Moskva, Gos.
nauchno-tekhn.isd-vo mashinostroit.lit-ry, 1959. 247 p.

(MIRA 13:2)

(Machine-shop practice)

S/535/60/000/130/003/007 E081/E335

24.4200

Klimov, V.I., Candidate of Technical Sciences

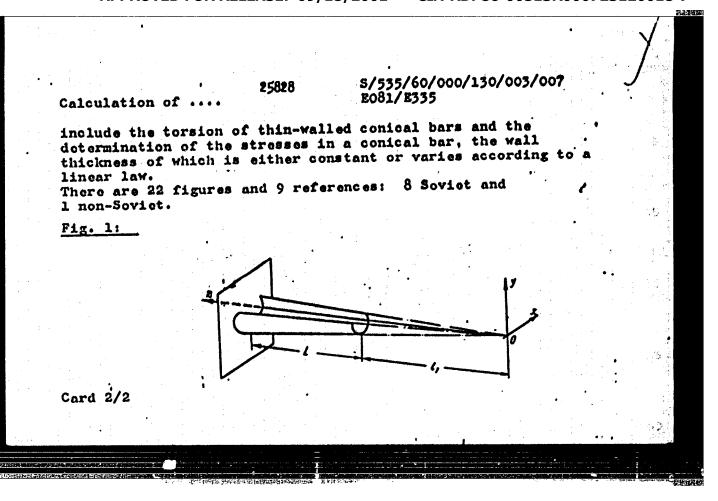
AUTHOR: TITLE:

Calculation of Thin-walled Conical Bars of Open

Profile

PERIODICAL: Moscow. Aviatsionnyy institut. Trudy. No. 130.
1960. Prochnost' aviatsionnykh konstruktsiy.
pp. 57 - 86

TEXT: The paper is a continuation of previous work (Ref. 4 - Dissertatsiya, MAI, 1954; Ref. 5 - Trudy MAI, No. 89, Oborongiz, 1957). The conical bar under consideration is illustrated in the figure. It is assumed that the bar is long in comparison with the lateral dimensions; that the contour of a cross-section does not beform in its own plane and that the shear deformation of the middle surface is zero. The fundamental relationships are derived geometrically and on the basis of the Lagrange variational principle, using the expression for the potential energy of the bar. The normal and shear stresses are determined and the differential equation of constrained torsion is solved. Particular cases considered Card 1/2



ZHARLIKOV, Mikolay Vasil'yevich; KLIMOV, V.I.; insh., retsensent;
ROZIM, A.E., insh., red.; DUGIMA, W.A., tekhm.red.

[Multipurpose cutting tools] Kombinirovannye reshushchie instrumenty. Moskva, Oos.nauchmo-tekhm.isd-vo mashinostroit.
lit-ry, 1961. 76 p. (MIRA 14:6)

(Metal-cutting tools)

APPROVED FOR RELEASE: 09/18/2001 CIA-RDP86-00513R000723120018-7"

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10.1240

Klimov, V.I. **AUTHOR**1

The effect of gyroscopic moments due to the power

plants on the dynamics of an aircraft TITLE:

PERIODICAL: Izvestiya vysshikh uchebnykh zavedeniy, Aviatsionnaya

tekhnika, no.2, 1962, 15-22

One of the most important simplifying assumptions adopted in the solution of the free flight equations of an aircraft to determine its stability and control behaviour is examined, namely, that of the independence of the longitudinal (symmetrical) and transverse groups of motions. The aircraft is considered a rigid body. A violation of the independence assumption is possible in principle through aerodynamic coupling, inertia coupling, and gyroscopic moments. If the undisturbed motion is symmetrical and the aircraft is aerodynamically symmetrical, only gyroscopic moments remain. Although the moments

of inertia of power plant rotors in turbo-jet aircraft are smaller than in propeller aircraft, the present tendency to ignore gyroscopic moments is criticised. Owing to the high speed of jet turbines, the gyroscopic moments are not much smaller than

Card 1/2

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The effect of gyroscopic moments ... S/147/62/000/002/003/020 E191/E535

those due to propellers. The total balance of moments of an aircraft at high altitude is on a lower level. This is illustrated in graphs showing the reduction of the static and damping moments with the drag coefficient and the altitude, whilst the gyroscopic moments remain constant. The equations of the disturbed motion are formulated, using the method of small perturbations. Solutions obtained with analog computers are shown. For example, a sudden change in the angle of attack causes a disturbed motion with slip. A periodic displacement of the elevator, causes both longitudinal and transverse oscillations of the aircraft. It is concluded that gyroscopic moments cause the dynamic properties of the aircraft to deteriorate substantially. In certain cases, special automatic means for the aerodynamic compensation of gyroscopic moments are justified. Both the design parameters of the aircraft and of the power plant and the conditions of flight are important factors in determining the coupling between the symmetrical and nonsymmetrical motions of the sireraft due to gyroscopic moments. There are 5 figures. ASSOCIATION:

ASSOCIATION: Moskovskiy aviatsionnyy institut, Kafedra 109 (Moscow Aviation Institute, Department 109) Card 2/2

KLIMOV. Valeriy Ivanovich; GORELOV, V.M., insh., red.; DUGINA, N.A., tekhn. red.

[Materials for metal-cutting tools] Materialy reshushchikh instrumentov. Isd.4., Pod red. V.M.Gorelova. Moskva, Mashgis, 1962. 45 p. (Nauchhno-populiarnaia biblioteka rabochegostanochnika, no.5) (MIRA 16:5) (Metal cutting tools)

KLIEGV, V.I.; TEOFIMOVA, Ye.I., kand. tekhn. nauk, retsenzent

[Cutting gear wheels] Narezanie zubchatykh koles. 2. izi.

Moskva, Izi-vo "Mashinostroenie," 1964. 60 p.

(MIRA 17:8)

KLIMOV, V.I.

Woodpulp and stock slushing in a pump with inclined disc. Trudy LTITSBP no.13:101-104 464. (MIRA 18:2)

VILYANSKIY, I.M.; KLIMOV, V.I.

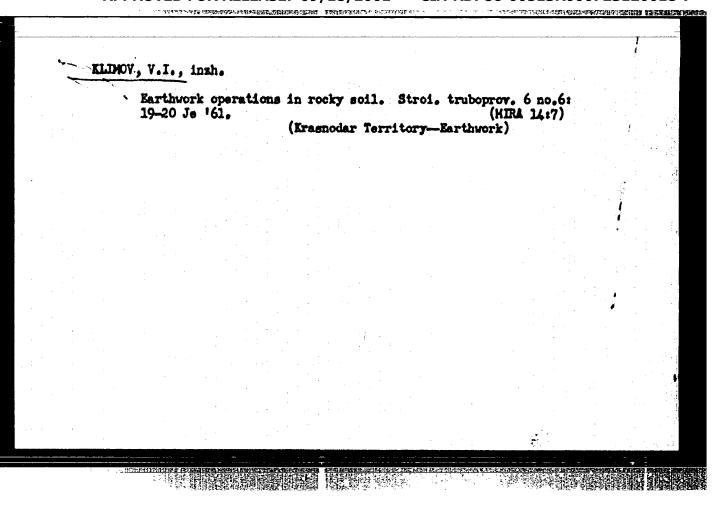
Photo attachment for a rectoromanoscope. Zhur.mikrobiol. epid.

1 immun. 31 no.3:124-126 Mr '60. (MIRA 14:6)
(PROCTOSIGNOIDOSCOPI-EQUIPMENT AND SUPPLIES)

KRINITSIN, Mikhail Isaakovich; LLHOV, Yyacheslav Ivanovich; KOMAROVA, L.S., red.; DEMIDOV, Ya.F., tekhn. red.

[Pipe laying rocky soil: earthwork] Prokladka truboprovodov v skal'nykh gruntakh; zemlianye raboty. Moskva, VMIIST GLAVGAZA 83SR. Redaktsiomo-izdatel'skii otdel, 1961. 53 p. (MIRA 14:11)

(Pipe) (Earthwork)



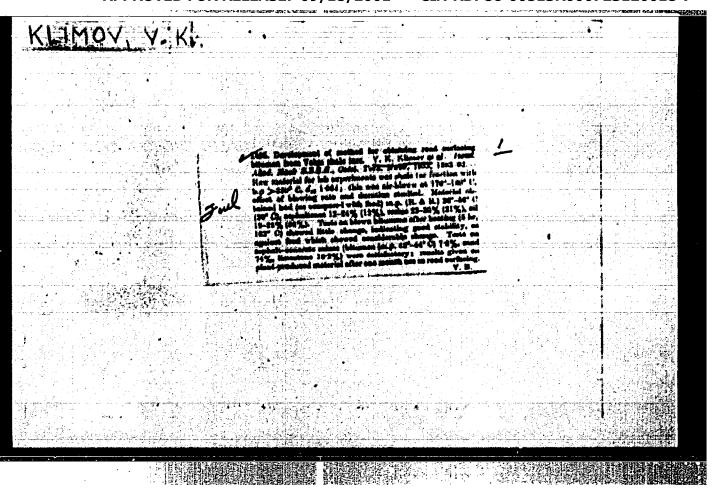
KLIMOV, V.I.

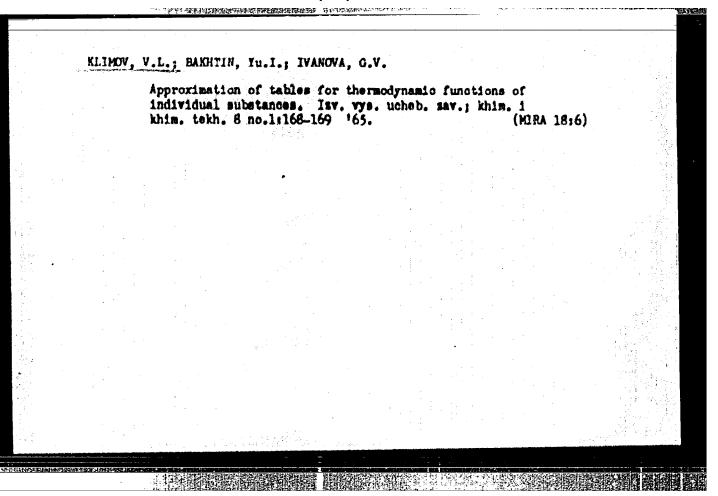
Effect of gyroscopic moments due to the power plant on the dynamics of an aircraft. Usv.vys.ucheb.sav; av.tekh. 5 no.2:15-22 162.

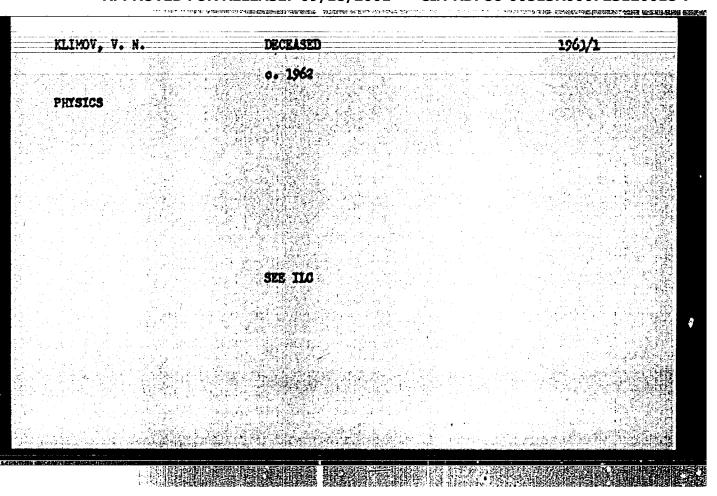
(MIRA 15:7)

1. Moskovskiy aviatsionnyy institut, kafedra 109. (Stability of airplanes)

CIA-RDP86-00513R000723120018-7" APPROVED FOR RELEASE: 09/18/2001







EWP(k)/EWP(z)/EWA(c)/EWI(m)/EWP(b)/EWA(d)/EWP(t) P1-4 MJW/JD/HW 8/0145/64/000/012/0161/0171 ACCESSION NR: AP5004237 AUTHOR: Klimoy, V. N. (Aspirant) Hot rolling of a binetal sheet with a thick copper coating IVUZ. Mashinostroyeniya, no. 12, 1964, 161-171 TOFIC TAGS: bimetal shest, copper coating, hot rolling, metal deformation ABSTRACT: Hot rolling of four-layer copper-steel-steel-copper sheets was investigated under laboratory and semi-industrial conditions. Specimens (32 x 32 x 120-200 mm for laboratory and 32 x 32 x 250 and 32 x 150 x 250 mm for semi-industrial rolling) containing 50% Cu in each case were made up from unbonded Cu and steel chects and steel sheets with a Cu coating melted onto the sheets at 1200C. The specimens were hot-rolled at 900-8000 (at speeds of 0.7-2.8 m/sec using rolls of 340, 450 and 700 mm diameter), heat-treated at 670-720C, separated into two Cu-steel sheets (heat-resistant seperator between steel sheets during rolling) and subjected to various tests. The deformation data obtained for hot rolling in a 450-mm diameter press (at 2.8 m/sec) is summarised in a table. It was found that for the unbinded sheet packages sufficient adhesion could be obtained by two passes (50% compression) at 900-9500. A batch of specimens made from steel 10 and copper MZS Cord 1/2

以上,我们本有自己的,是只要的根据的,那是我们<mark>的是我的的那些的的。在,你就是我们的</mark>他们们就是这些人的,我们也不是一个人,只是这种的,就是他们就是她的最后的的最多的,我们的

L 41250-65 ACCESSION NR: AP5004237

sheets was also hot-rolled under industrial conditions as described by the author (Ingotovienium i ispytanium opythous partii bimetallicheskogo lists a tolstym mednym pokrytiyem. Tekhotchet, NIS, IPI, 1965). The rolling conditions, deformations, and mechanical properties of these specimens are tabulated. It was found that: a) hot alling of Cu-steel-steel-Cu sheet combinations at the above conditions gives satisfactory bimetal sheets with copper coatings of up to 50% of thickness; b) the optimum conditions appear to be a minimum of 5 passes at 9500 with a deformation of at least 50% during the first two passes; c) the Cu-steel-steel-Cu combination has several advantages over the Cu-steel bimetal rolling process. Orig. art. has: 6 figures, 5 tables, and 1 formula.

。 "我们还没有比较强度,我们还是我们的,我们就是我们就是我们就是我们的,我们们就是这种的人,我也没有什么是不是,我们不是什么?" "我也是是这个人,我们也是不是是不是是不是是不是是不是

ASSOCIATION: Irkutskiy politekhnicheskiy institut (Irkutsk Polytechnical Institute)

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SUB CODE: 14, IE

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OTHER: 000

Card 2/2

APPROVED FOR RELEASE: 09/18/2001 CIA-RDP86-00513R000723120018-7"

PROKHORIN, A.P.; KLIMOV, V.M.; MUSINOV, N.V., otv.red.; PRVZNKR, A.S., sav.red.isd-va; OSKNKO, L.N., tekhn.red.

[Uniform time and pay standards for construction, assembly, and repair operations in 1960] Edinye normy i rastsenki na stroitel'nye, montashnye i remontno-stroitel'nye raboty, 1960 g. Moskva, Gos.isd-vo lit-ry po stroit., arkhit. i stroit.materialam. Sbornik 18. [Gardening and landscaping] Sadovo-parkovye raboty. 1960. 36 p. (MIRA 13:6)

生。中华《中国的影片的证明特别、中国的影影是美洲智能(图画的影響)影響的影響的影響的影響的影響。一个中华一个一个一个一个一个一个一个一个一个一个一个一个一个一个

1. Russia (1923- U.S.S.R.) Gosudarstvennyy komitet po delam stroitelistva. 2. TSentralinoye normativno-iseledovateliskoye byuro (TaMIB) Ministerstva kommunalinogo khosyaystva RSFSR (for Klimov).

(Wages) (Gardening)

APPROVED FOR RELEASE: 09/18/2001 CIA-RDP86-00513R000723120018-7"

KLINOV, V.F., kandidat meditainskikh nauk

Indications and contraindications for surgery in acute cholecystitis. Sov.med. 20 no.10:55-60 0 '56. (NIRA 10:1)

1. Is gospital'noy khirurgicheskoy kliniki (sav. - chlen-korrespondent Akademii meditsinskikh nauk SSSR prof. A.T. Lidskiy) Sverdlov-skogo meditsinskogo instituta.

(CHOLECTSTITIS, surg.

indic. 4 contraindic. in acute stage)

Comparative data on late results of surgical treatment in cholocystitis. Klin.med. 35 no.5:99-107 My '57. (MIRA 10:8) 1. Is gospital'now khirurgicheskow kliniki (sav. - chlen-korrespondent AMH SSSE saslushennyy deystel' nauki prof. A.T.Lidskiy) Sverdlovskogo meditsinskogo instituts (CHOLECYSTITIS, surg. follow-up)

ZLIMOV, V.P. (Ehar'kov); MANZYUK, L.H. (Ehar'kov)

Methods for making straight-pin teeth from stainless steel with plastic facing, Probl. stom. 3:417-418 '56 (MLRA 10:5) (DENTAL PROSTRESIS)

ELECV, We hay lawforth

Kanskayn GFE; Pojularnyy Ceberk
(The Kuma Liver Eydro-Electric lover Station)
Holotovskoye Enizhnoye Izd-Vo, 1956.
96 1. Illus., Ita; rs.

ELIMOT, Vasiliy Pavlovich; VAGNER, M.N., red.; LAPRUM, K.I., tekhn.red.

[Kama Hydroelectric Power Station; popular study] Kamaknis GES; popularnyi ocherk. Molotov, Molotovskoe knishnoe isd-vo, 1956.

96 p.

(Kama Hydroelectric Power Station)

(Kama Hydroelectric Power Station)

(MIRA 9:4)

KLIMOY, V. Results of the competition for the best rationalising suggestion

Radio no.12:25-26 D *55. (Radie--Apparatus and supplies)

PRIYMA, Sorgey Grigor'yevich; KLIMOV, V.P., otvetstvennyy redaktor;
NOVIKOVA, R.S., redaktor

[Efficient work with cables having nemetallic casings]
Ratsionslisateils rabet a kabeles, issiushehis nemetallicheskuiu oboleshku. Moskva, Ges. izd-ve lit-ry po voproses svissi i radio, 1956, 22 p. (MLRA 10:4)

(Electric cables)

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Results of the competition. Radio no.10:28-29 '56.	(MLRA 9:11)	
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(Radio, ShortwaveCompetitions)	-	1
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APPROVED FOR RELEASE: 09/18/2001 CIA-RDP86-00513R000723120018-7"

TSUFRIKO', Aleksandr Yefimovich; KLIMOY, Y.P., otvetstvennyy red.;
MASHAROVA, V.G., red.; RITTEMORR, B.V., tekhn.red.

[New devices and instruments for splicing cables] Bovye prisposoblenite i instrument alis srashchivanita kabella. Moskva, Goz. isd-volit-ry po voprosem svissi i radio, 1958. 42 p. (MIRA 11:5)

(Cables)

SOV/111-58-2-19/27

AUTHORS:

Rozenberg, Ya.C. and Klimov, V.P., Engineers

TITLE:

A Universal Machine for Building and Repairing Underground and Open Air Wire Broadcast and Communication Lines (Universal'naya mashina dlya stroitel'stva i remonta podsemnykh

i vozdushnykh liniy radiofikatsii i VRS)

PERIODICAL:

Vestnik svyazi, 1958, Nr 2, pp 24 - 25 (USSR)

ABSTRACT:

The authors describe a universal machine which may be used for laying underground cables and building or repairing above ground communication lines. This self-propelled machine was designed by I.A. Kanivets and Ye.Ye. Makarov, both of Frunze. The 40 HP engine will move the vehicle, drive the earth auger and the crane for setting telephone poles, and the cutter for digging cable ditches. The machine has been tested with good results, but some of its parts must be improved. There are one diagram and one photo.

Card 1/1

Competition of communication workers. Isobr. v SSSR 3 no.3:45-46
Nr '58. (MIRA 11:3)

(Telecommunication—Employees)

是一个人,他们也是一个人,他们也是一个人,他们也是一个人,他们也是一个人,他们也是一个人,他们也是一个人,他们也是一个人,他们也是一个人,他们也是一个人,他们也

ROZERBERG, Yn.G., insh.; KLIMOV, V.P., insh.

Universal machine for building and repairing subterranean and overhead radio lines and district-wide communication lines. West, sriasi 18 no.2:24-25 T 158. (MIRA 11:2) (Electric lines--Equipment and supplies)

AUTHORS:

Rozenberg, Ya.G., Klimov, V.P., Engineera SOV/111-58-12-31/38

TITLE:

Results of the 1957-1958 Competition for the Pest Suggestions in the Field of Radio Relay and Intra-Rayon Communications (Itogi konkursa 1957-1958 gg. na luchshiye prediozheniya

v oblasti radiofikatsil i VRS)

PERIODICAL:

Vestnik svyazi, 1958, ANr 12, pp 34-35 (USSR)

ABSTRACT:

The article contains some of the more interesting suggestions made by Russian communication employees during 1957-1958:

B.Ys. Gertsenshteyn, Leningred, developed in cooperation with workers from NIITS a model of a translatorized condensing apparatus for subscriber telephone lines. N.N. Pavlov, Leningrad, suggested to use new tubes for the output stages of wire broadcast amplifier stations. There are many other communication workers who also submitted valuable suggestions for improving technical equipment. They received various awards for their work. There are 5 diagrams and 1 table.

Card 1/1

KOROVAYKOV, Aleksendr Aleksendrovich; KOROTIN, Aleksendr Ivenovich; KLIMOV, V.P., otv.red.; BASHCHUK, V.I., red.; SLUTSKIN, A.A., tekhn.red.

[Mimination of idle time in the operation of rediffusion stations] Likvidatsiia prostoev radiouslov. Moskva, Gos.isd-vo lit-ry po voprosem svissi i radio, 1959. 13 p. (MIRA 13:4)

1. Nachal'nik Ivanovskoy direktsii radiotranslyatsionnoy seti (for Korovaykov). 2. Nachal'nik Kemerovskoy direktsii radiotranslyatsionnoy seti (for Korotin). (Radio stations)

APPROVED FOR RELEASE: 09/18/2001 CIA-RDP86-00513R000723120018-7"

6(0)

SOV/107-59-2-52/55

AUTHOR:

Rozenberg, Ya. and Klimov, V.

TITLE:

Summing-Up the Communications Contest (Itogi kon-

kursa svyazistov)

PERIODICAL:

Radio, 1959, Nr 2, p 61 (USSR)

ABSTRACT:

The last contest in 1957-58, for the best suggestions in the field of television reception, radiofication and intraregional telephone communication, carried out by the Ministerstvo svyazi SSSR (USSR Ministry of Communication), was successful. The following participants were awarded: S. Sher, L. Zass, G. Pyatigorskiy and A. Smilyanskiy (engineers from the television repair shop Nr 33 in Kiyev) presented a device for adjusting video and audio channels and checking all receiver parts at home; B. Khilichenko presented a universal testing device ("UIS-3") for checking kinescopes, tubes, output transformators of line scanning and vertical sweep, focusing and deflecting systems,

Card 1/2

Summing-Up the Communications Contest

80V/107-59-2-52/55

PTP units, loudspeakers, chokes, resistance etc.;
A. Konstantinovskiy, R. Lipkin and V. Kruller developed the circuit and design of a device for checking qualitative and quantitative indices of television receivers; L. Kevesh (Moscow) presented a device to check the contrast, definition, and linearity of television images; M. Vite (Moscow) presented a universal device for control of television program throw-over switch units.

Card 2/2

KLIMOV. V.P.; ROZEMENEG, Ys.G.; TUDOROVSKIY, V.P., otv.red.; MOVIKOVA,
Ye.S., red.; KARABILOVA, S.F., tekhn.red.

[Suggestions of efficiency experts en wire-broadcasting networks and electric communications within districts] Retsionalisatorakie predicaheniis po vnutrireionnoi elektrosviasi rediofitatsii.

Noskva, Gos.isd-vo lit-ry po voprosam sviasi i radio, 1960. 55 p.

(Wire broadcasting) (Telecommunication)

"APPROVED FOR RELEASE: 09/18/2001 CIA-RDP86-00513R000723120018-7

。""是不是我的中华中的人们的人们的人们的人们的人们的人们是一个人们是不是一个人们是不是一个人们是不是一个人们的人们的人们的人们的人们的人们的人们的人们的人们们

KLIMOV, Y.S.

REIMOS V. S.

Shaumyan-Hospital, Baku. Sravnitelnaya otsenka magnezialnovo i kaltsievovo metodoo opredeleniya skorosti krovotoka

A comparison of the magnesium sulphate and calcium chloride methods for determination of the rate of circulation of the blood

Klinitcheskaya Meditsina 1947, 25/6 (63-64)

4976 The circulation rate of 96 patients was determined by these two methods, which gave practically the same results.

Francke - The Hague

SO: Section II Vol. 12 No 7-12

PATETEVA, M.H.; KLIMOV, V.S.; GORBARENKO, H.I.; DENISOVA, Ye.A.; ERIMA, Ye.V.; OSTAPKUVIUH, V.Ye.

Early diagnosis of chronic radiation sickness. Vest.rent. i rad. no.2:16-23 Kr-Ap '55. (MERA 8:5)

1. Is Instituta terapii AMS SSSR (dir. deyetvitel'nyy chlen Akademii meditsinskikh nauk SSSR prof. A.L.Myasnikov)
(RADIATION SICKERSS, diagnosis)

USSIVamen and initial Physiology. The Effects of Physical Efforts.

Abs Jour: Ref Zhur-Diol., No 20, 1958, 93746.

Inst: Stopanyan, Ye. P., Elizar, V.S., Corbarenko, N.I.

Inst: LAB of Brophysics, Inst of Therapy Arms USSA

Title: The Problem of Synlurenidase and Mistanine in the Blood
of Individuals Subjected to Tomizing Synlurenia.

Orig Pub: Med. rediologiya, 1957, 2, No 3, 19-23.

ibstract: The amount of hyaluronidase (I) in the sorum and historine (II) in the plasm of people (21) periodically subjected to the effect of Y = and B = radiation 5 times or more higher than a safe dose (group I), people (21) subjected to the effect within a safe range (group II), and people (15) who received doses lower than safe but having contact with charically toxic

Card : 1/2

"APPROVED FOR RELEASE: 09/18/2001 CIA-RDP86-00513R000723120018-7 KLIMOV, V.S. STEPANYAN, Ye.P.; KLIMOV, V.B.; GORBARNEKO, H.I. Hyaluronidase activity in the blood serus of men subjected to chronic irradiation; preliminary report [with summary in English]. Veet.rent. 1 rad. 32 no.1:19-23 Ja-F 157. (MIRA 10:6) 1. Is laboratorii Instituta terapii Akademii meditsinskikh nauk SSER (dir. - deystritel'nyy chlen Akademii meditsinskikh mauk SSER prof. A.L. Myasnikov) (RADIATIONS, eff. ionizing chronic-irradiation, eff. on hyaluronidase activity in blood) (HYALURONIDASE, in blood eff. of chronic ionizing irradiation)

PATEYEVA, M.N.; KLIHOV, V.S.; PONIZOVSKAYA, A.I.; GORBARENKO, N.I.; SOKOLOV, V.V.; SMIRHOVA, M.I.

Effect of Cg¹³⁷ on the human organism. Med.rad. 5 no.7:14-19
160. (MIRA 13:12)
(RADIATION—PHYSIOLOGICAL EFFECT) (CESIUM—ISOTOPES)

KRASHOSEL'SKIY, M.A.; KLIMOV, V.S.; LIFSHITS, Ye.A.

Convergence of positive functionals and operators. Dokl. AN SSSR 162 no.2:258-261 My 165. (MIRA 18:

1. Voronezhskiy gosudarstvennyy universitet. Submitted December 1, 1964.

The Control of Statement Control of the Statement of the

KLIMOV. V.T.; MARICHEV, V.I.; RUBINCHIK, A.M.; EYLER, S.A., nauchn. red.; ZVORYKINA, L.N., red.; BOROVNEV, N.E., tekhn. red.

> [Construction of cofferdams and caissons] Stroitel*stvo opusknykh kolodisev i kessonov. Moskva, Gosstrolizdat, 1963. 247 p.
> (Cofferdams) (Caissons) (MIRA 17:1)

KLINOV, V.T., inshener.

Lowering the water level with borehole filter pumps having horizontal receivers, Gidr. stroi. 26 no.5:36-37 My '57. (MIRA 10:6) (Pumping machinery)

THE REPORT OF THE PERSON OF TH

KLIMOV, Vladimir Timofeyevich, inzh.; KASITSYNA, K.N., inzh., red.

[The driving of piles by crane-excavators and cranes with pile-driver jibs; practices of the State All-Union Trust for the Reinforcement of Foundations and Structures"] Zebivka svai kransmi-ekskavatorami i kransmi s rodvesnvmi koprovymi strelami; opyt tresta "Gidrospetsfundamentstroi." Moskva, Stroitzdat, 1964. 33 p. (MIRA 17:12)

1. Moscow. Nauchno-issledovatel'skiy institut organizatsii, mekhanizatsii i tekhnicheskoy pomoshchi stroitel'stvu.
2. Nachal'nik tekhnicheskogo otdela "Gidrospetsfundamentstroy" (for Klimoy).

Klimou, V.V.

USSR/Inorganic Chemistry. Complex Compounds.

C

Abs Jour

Ref Zhur - Khimiya, No. 8, 1957, 26502.D.

Author

Klimov, V.V.

Inst

Academy of Sciences of Kazakh SSR, Institute

of Chemistry.

Title

Electrolytic Dissociation of Complex Compounds of Four-Valent Tin and Three-Valent Antimony.

Orig Pub

Avtoref. diss. kand. khim. n., In-t khim.

nauk AN KazSSR, Alma-Ata, 1956.

Abstract No abstract.

Card 1/1

USANOVICH, M., KLIMOV, V., and SUMAROKOVA, T., AUTHOR APPROVED TO RELEASE: 09/18/2001 CIA-RDP86-005-1298060723120018-7 TITLE

Compounds. (Ob elektroliticheskoy dissotsiatsii kompleksnykh soyedineniy

olova i sur'my - Russian)

Doklady Akademii Hauk SSSR, 1957, Vol 113, Hr 2, pp 364-365,

PERIODICAL

(U.S.S.R.)

Received 6/1957

Reviewed 7/1957

ABSTRACT

The development of electro-conductivity in systems that consists of non-conductive components is connected with a reciprocal scidbasic effect. As a result of the latter complex, saline compounds develop. On the occasion of the mixing of halides of quadrivalent tin and trivalent antimony with monocarbon acids of the aliphatic series and with their composed ethers electrolyres according to a general formula develop: SnX4.3RCOOR', SnX4.4RCOOR', SbX3RCOOR', 2SbX3RCOOR', where R' denotes hydrogen or an aliphatic radical, and X denotes Cl or Br. The way of the electrolytic dissociation is shown in 4 reaction formulae (1-4) or equations respectively. From the equations 1. and 2. it becomes manifest that in the compounds SnX4.3RCOOR' and SnX4.4RCOOR' the organic molecule is a component of the cation and of the anion, whereas the halide of the quadrivalent tin only appears in the cation (equation 3 and 4). For the purpose of examing the shemes of the electrolytic dissociation tin chloride was investigated in methanol, acetic

Card 1443

"APPROVED FOR RELEASE: 09/18/2001 CIA-RDP86-00513R000723120018-7

SHCHERBOY, Dmitriy Pavlovich; KLIMOY, Vsevolod Vslentinovich;
POPLAVSKAYA, I.A., otv.red.; CHASOVIKOVA, Z.I., tekhn.red.

[Photometric titration in the analysis of minerals] Foto-

[Photometric titration in the analysis of minerals] Fotometricheskoe titrovanie v analise mineral'nogo syr'ia. Alma-Ata, TSentr.in-t nauchno-tekhn.informatsii, 1958. 15 p. (MIRA 13:9)

(Minerals) (Magnesium--Analysis) (Calcium--Analysis)

S/079/60/030/04/64/080 B001/B011

AUTHORS:

Klimov, V., Sumarokova, T., Usanovich, M.

TITLE:

On the Structure of the Complex Compound

SnCl_A.2CH₃COOH.2NH₂CH₂COOH

PERIODICAL:

Zhurnal obshchey khimii, 1960, Vol. 30, No. 4, pp. 1334-1336

TEXT: The complex compound SnCl₄.2NH₂CH₂COOH.2CH₃COOH (Ref. 1) was separated upon the action of tin chloride on the solution of glycocoll in anhydrous acetic acid. The same complex compound was also obtained by the addition of two molecules CH₃COOH to the complex acid SnCl₄.2NH₂CH₂COOH. The cryoscopic determinations of the molecular weight of the compound SnCl₄.2NH₂CH₂COOH.2CH₃COOH, made in CH₃COOH, showed that the molecular weight determined constitutes 1/3 of the formula molecular weight, and thus, that this compound dissociates into three ions. On the strength of these data, the mixed complex compound was assumed to appear as the product of an acid-basic reaction of the complex acid SnCl₄.2NH₂CH₂COOH with CH₃COOH and the latter,

Card 1/3

On the Structure of the Complex Compound SnCl_A.2CH₂COOH.2NH₂CH₂COOH

S/079/60/030/04/64/080 B001/B011

with its clear basic properties, to add on in the outer sphere (Ref. 1).

Structure [SnCl₄(NH₂CH₂COO)₂] -.2CH₃COOH₂ was therefore ascribed to compound SnCl₄.2NH₂CH₂COOH.2CH₃COOH. To obtain a confirmation of this assumption, the authors decided to investigate the ion transfer in the acetic acid solutions of compound SnCl₄.2NH₂CH₂COOH.2CH₃COOH, by utilizing the labelled preparations NH₂CH₂C*OOH and CH₃C*OOH. They expected that glycocoll, a component of the anion [SnCl₄.(NH₂CH₂COO)₂] , would move to the anode, and CH₃COOH to the cathode, on the action of electric current. It was found, however, that glycocoll, labelled with the isotope C¹⁴, moves to the cathode, i.e. it is a component of the cation; CH₃COOH labelled with the isotope C¹⁴ goes mostly over to the anode, and is therefore a component of the anion. The complex compound has therefore the structure: [SnCl₄(CH₃COO)₂] -(NH₃CH₂COO)₂. There are 1 table and 3 Soviet references.

Card 2/3

"APPROVED FOR RELEASE: 09/18/2001 CIA-RDP86-00513R000723120018-7

On the Structure of the Complex Compound SnCl₄.2CH₂COOH.2NH₂CH₂COOH

S/079/60/030/04/64/080 BC01/B011

ASSOCIATION:

Institut khimii Akademii nauk Kasakhakoy SSR (Institute of Chamistry of the Academy of Sciences, Kazakhakaya SSR)

SUBMITTED:

May 6, 1959

Card 3/3

"APPROVED FOR RELEASE: 09/18/2001 CIA-RDP86-00513R000723120018-7

		Infrared	spectrometry	of inorgan	ic substances.	Zav.lab.	27 no.31292 (MIRA 1413)	-294
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8/081/62/000/022/009/088 B177/B186

AUTHORS:

(3) Kagarlitakaya, N. V., (4) Klimov, V. V., Kagarlitakaya, N. V., Shcherbov, D. P.

TITLE:

- Infra-red spectrometry of inorganic substances.

 (3) The preparation of solid specimens for quantitative determination.
- (4) Absorption spectra of some silicate minerals in the 2-15 micron range

PERIODICAL:

Referativnyy shurnal. Khimiya, no. 22, 1962, 115-116, abstract 22D26 (Tr. Kazakhsk. n.-1. in-ta mineral'n. syr'ya, no. 3, 1960, 308-311; 312-317)

TEXT: (3) A study was made of the conditions under which tablets of the substances to be analyzed could be obtained in a mixture with KBr, and which could be used for recording IR absorption spectra of solid substances. It was noted that the following conditions should be observed in order to obtain high-grade tablets: the KBr and the substance to be analyzed should be dry and crushed to a particle size of $45~\mu_{\rm F}$ card 1/4

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pressing should be performed at a pressure of 5-6 4/cm2. If particle size greatly exceeds 5 μ , the form of the absorption bands is distorted. However, in the method of pressing the tablets the effect of large particles is less apparent than when depositing the substance on to transparent plates of MaCl or KBr. At low pressures, the tablets obtained are opaque and rapidly crack. If they are pressed without a vacuum under low pressure, the tablets crack when the load is released through the expansion of air contained in the powder. If KBr or the substance to be analyzed are used with an excessive moisture content, opaque tablets are produced. (4) IR absorption spectra in the 2-15 µ range (on a singlebeam spectrometer) were obtained for the following 32 minerals in the form of pressings with KBr: sircon, thorite, olivine, fayalite, topas, disthen, andradite, vesuvianite, titanite, axinite, calamine, epidote, orthite, beryl, chrysocolla, tourmaline, diopeide, hedenbergite, spodumene, anthophyllite, wollastonite, radusite-asbestos, talc, phlogopite, muscovite, sericite, penninite, nepouite, dickite, orthoclase, microcline, and lazurite. A diagram shows the positions of the absorption bands in the IR absorption spectra of the above minerals. No simple regularity or arrangement of the absorption bands, were observed in the spectra of

Card 2/4

Infra-red spectrometry of ...

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minerals in the same sub-class, nor any substantial differences between the spectra of different sub-classes. Minerals having the same chemical composition, and which do not crystallise in different syngonies, have different spectra. An analytical scheme is proposed for identifying a silicate which is to be determined, from the IR absorption spectra of minerals previously investigated. For this purpose, the schematic spectra of the minerals are arranged, according to a formal feature of the appearance of their spectra, into two groups: those of minerals containing water, and those containing no water. The minerals are arranged within each group in increasing order of the number of absorption bands in their spectrum. If the number of bands is the same, the first spectrum is that of the mineral whose first band has the shortest wavelength. A given mineral is identified by obtaining its IR absorption spectrum (2-15 μ), and by finding the principal absorption bands in it. Should the spectrum contain a large number of bands, it is diagrammatically drawn on tracing paper to the same scale as the diagram of the spectra of the known minerals. The tracing paper is then laid over the diagram of spectra of the known minerals, and by moving it along the diagram, the minerals are found whose absorption bands correspond to the spectrum of the mineral Card 3/4

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Infra-red spectrometry of ... B177/B186

under investigation. The proposed system can be employed both to identify unknown specimens of a single mineral and to discover similar IR absorption spectra for minerals in different sub-classes. For Part 2, see RZhKhim, 1960, no. 18, 72262. [Abstracter's note: Complete translation.]

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Card 4/4

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		<i>[2012]</i>	/058/63/000/003/0 <mark>33/</mark> 1 062/A101	
	Klimov, V. V., Kagarlit			
TITLS:	Infrared spectromety of of some silicate minera	inorganic substances	, 4. Absorption spec	oera (
	of some silicate minera			
	Referativnyy shumal, F	Heika, no. 3, 1963, 4	1, abstract 30278	
PERIODICALI	("Tr. Kasakhak, D1. 1	n-ta mineral'n. syr'y	a", 1960, no. 3, 312	
	317)			
TEXT:	Absorption spectra of 3	2 silicate minerals of	f various subclasses air characteristic f	ro- \
		IV. AN REMITTED AND	Ma ab particular and a second	
1 4 4 mm + 4 04 mm + 4 1	on of silicate minerals ders. For Part 3 see R2	OU fue bests of nurs	Aed Totolheron shane	
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L 43040-66 EWP(e)/EWT(m)/EWP(t)/EPI IJP(c) WH/JD SOURCE CODE: UR/0363/66/002/008/1483/1486	
ACC NR. AP6029824 BOURCE COLE: OR/0303/00/002/004	,
AUTHOR: Klimov, V. V.; Kozachenko, V. N.; Didkovskaya, O. S.; Zvonik, V. A.; 5.2	
Kisel, T. P.; Andreyev, A. 1a.	
Tretitute of Chemical Reagents and High-Purity	4
Substances, Donets Branch (Vassoyuzhy) hatchesty, Donetskiy filial) khimicheskikh reaktivov i osobo chislykh veshchesty, Donetskiy filial)	
TITLE: Preparation of piezo- and ferroelectric ceramics using spray dried solutions	
SOURCE: AN SSSR. Izvestiya. Neorganicheskiye materialy, v. 2, no. 8, 1966,	
1483-1486	
TOPIC TAGE: peizoelectric ceramic, ferroelectric commission, ceramic technology, ceramic product property, barium titanate, titanate, lead titanate, calcium titanate	•
ABSTRACT: A preparative method was described for piezo- and ferroelectric ceramic	
was designed to replace the conventional control of the described method consisted of	
preparation of the finely dispersed (partitions of their squeous solutions	
barium, lead, and calcium nitrates by spray drying of their apparatuments of the surface of their control of their control of the surface of their converted into titanates of varied 21.05.1964]. The powdered nitrates were then converted into titanates of varied	
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Composition by firing the nitrate powder at 900—1000C at which temperature formation of the solid solutions with perovskite structure is completed. The particle size of titenates after firing was about 1 v. High-purity powders may be obtained from adequately pure starting materials. The sintering of these powders into ceramic products occurs at a temperature in the 1230—1280C range, which is 100—150C lower than the temperature range of sintering the powders produced by conventional ceramic technique. The electrophysical properties of the ceramic products obtained by spray drying were shown to be superior to those of the products of ceramic technology. Notably, the piezoelectric modulus (d₃₁) was comparatively higher and, in certain samples, constant in the -60 to +80C range. Universality of the method described was stressed, insofar as it may be applied to most of the ferro- and piezoelectric ceramics presently used. Orig. art. has: 4 figures and 2 tables. [JK]

SUB COIE: 11/ SUBM DATE: 220ct65/ ORIG REF: 001/ ATO Plant Self.

KLIMOV, W.Y.; MAKHODNOVA, A.P.; ZHABKINA, G.M.; MORGACHEVA, N.T.; BRONNIKOV, A.N.

Ferroelectric properties of solid solutions on the basis of barium, lead, and calcium titanates. Izv. AN SSSR. Ser. fiz. 29 no.11:2055-2058 N '65. (MIRA 18:11)

1. 7846-66 EMP(e)/EPA(e)-2/EMT(e)/EMP(1)/EPA(w)-2/EMP(t)/EMP(b)
ACC NR. APS028119 JD/AM SOURCE CODE: UR/0048/65/029/011/2055/2058 AUTHOR: Klimov.V.V Makhodnova. Morgacheva , N. I. Bronnikov ORG: none TITLE: Ferroelectric properties of barium, lead, and calcium titanate base solid solutions Theport, Yourth All-Union Conference on Ferro-electricity held at Rostovon-the Don 12-16 September 19647 SOURCE: AN SSSR. Izvestiya. Seriya fizicheskaya, v. 29, no. 11, 1965, 2065-2068 TOPIC TAGS: ferroelectric material, solid solution, barium, lead, calcium, titenate, Curie point, lattice parameter ABSTRACT: The authors have determined the Curie points of 17 barium titanate-rich solid solutions of the barium titanate - lead titanate - calcium titanate system; the study was undertaken in view of the technical importance of the materials and the discordance of the available data on them. Uniform mixtures for synthesis were obtained by spray-drying solutions of barium, lead, calcium, and titanium nitrates. The resulting powders were roasted for 2-3 hours at 1000°C, compressed into 20 mm dismeter 1.5-1.8 mm thick disks, and sintered at 1260-1340°C for 1-2 hours. Specimens for which the water absorption was less than 0.55% and the porosity less than 2-3% were selected for investigation. The selected specimens were analyzed, x-ray powder photographs were recorded, and their Curie points were determined within 2°C by di-**Cord 1/2**

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electric constant measurements. It was found that the Curie point increased with decreasing barium content when either the calcium content, the lead content, or their ratio was held constant. When the barium content was held constant the Curis point increased with increasing lead content. The variation of the Curie point with composition in the region of relatively high calcium content differed from that found by-McQuarry (J. Amer. Ceram. Soc., 40, No. 2, 35 (1957)) and T. Ikeda (J. Phys. Soc. Japan, 3, No. 4, 335 (1958)), the present measurements giving the higher Curie points in this region. The solid solutions with the higher Curie temperatures had unit cells with larger volumes and, in agreement with the findings of McQuarry and Ikeda (loc.cit. supra), higher degrees of lattice tetragonality. The increase of the Curie temperature with increasing calcium, decreasing barium, and constant lead content contradicts the current opinion that the Curie temperatures of ferroelectrics with the perovakite structure are increased by increasing the volume and polarizability of the ions at the A-sites in ABO, orystals. The discrepancy between the present results and those obtained by other authors with single compounds and binary systems is obviously to be explained by the fact that the laws governing the behavior of three-component systems containing A-type ions with different electronic structures are more complex than those applicable to binary systems. The discovery of these laws will require further investigation. Orig. art. has: 5 figures and 1 table.

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ويس	V.V.; NOVALIE, YA.V.; HETEVETAYION, N.A. Device for deasuring bysteresis loop ratios. Isn.tel S 165.	on. no.9:39-41 (MIRA 18:10)

KLIMOV, V. V.; DIDKOVSKAYA, O. S.; KOZACHENKO, V. N.

Determination of aluminum with salicylal o-aminophenol in lead salts. Metod. anal. khim.reak. i prepar.no. 4153-57 162. (MIRA 17:5)

 Donetskiy filial Vsesoyuznogo nauchno-issledovatel skogo instituta khimicheskikh reaktivov i osobo chistykh khimicheskikh veshchestv.

KLIMOV, V.V.; DIDKOVSKAYA, O.S.; KOZACHENKO, V.N.

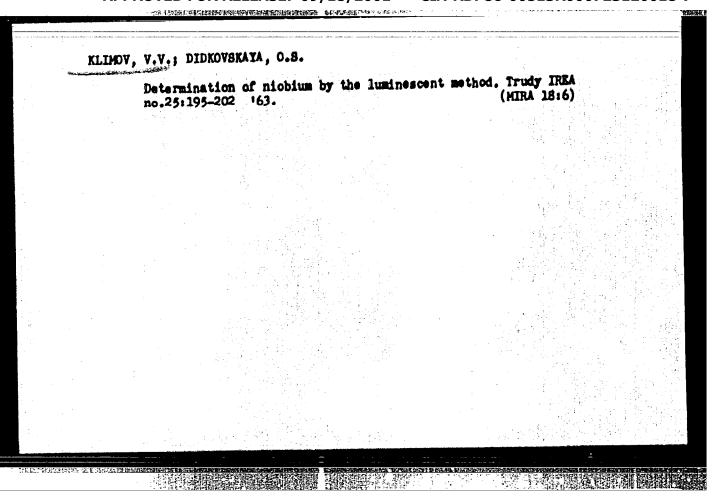
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Fluorescence determination of microgram amounts of aluminum in load salts. Zav.lab. 28 no.6:652-654 162. (HIRA 15:5)

1. Vsesoyusnyy nauchno-issledovatel'skiy institut khimicheskikh reaktivov i osobo chistykh khimicheskikh veshchesty, Donetskiy filial.

(Aluminum-Analysis)
(Lead salts) (Fluorescence)

"APPROVED FOR RELEASE: 09/18/2001 CIA-RDP86-00513R000723120018-7



KLIMOV, V.V.; DIDKOVSKAYA, O.S.

Use of lumogallion of the Institute of Chemial Reagents for the fluorescence determination of niobium. Zev.lab. 29 no.2:147-148 (MIRA' 1635)

l. Donetskiy filial Vsesoyuznogo hauchno-issledovatel skogo instituta khimicheskikh reaktivov. (Niobium-Analysia) (Fluorescence)

"APPROVED FOR RELEASE: 09/18/2001

CIA-RDP86-00513R000723120018-7

ACC NR. AP6022214

SOURCE CODE: UR/0115/66/000/005/0093/0094

AUTIOR: Klimov, V. V., Kovalin, Ya. V.

ORG: none

TITLE: Measuring maximum induction of hysteresis loop of ferrite cores by an oscillographic method

SOURCE: Izmeritel naya tekhnika, no. 5, 1966, 93-94

TOPIC TAGS: magnetic induction, magnetic hysteresis, hysteresis loop

ABSTRACT: A measuring outfit based on the T. H. Bonn et al. method of "subtraction of ideal loop" (Electronics Engg, no. 3, 1958) is briefly described. Operating at

50 cps, the outfit comprises (see figure) an oscillograph, an ideal-loop unit, and a full-wave rectifier. With switches in position 1, inductance is measured; in position 2, the oscillograph shows the hysteresis loop of the test core. The reported error of the outfit is 6-7%. Orig. art. has: 4 figures.

SUB CODE: 09 / SUBM DATE: none

ORIG REF: 002 / OTH REF: 001

Card 1/1

UDC: 621.317.351:621.317.421

"APPROVED FOR RELEASE: 09/18/2001

CIA-RDP86-00513R000723120018-7

L 06406-de-7 ...(d)/EAT(1) LJP(c) BB/GG/GD
ACC NR: AT6029232 SOURCE CODE: UR/0000/66/000/000/0197/0190

AUTHOR: Klimov, V. V.; Kovalin, Ya. V.; Haslov, A. P.; Chistov, V. P.

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74

ORG: none

TITLE: A system for data transmission between digital and an analog computer 1/50

SOURCE: Vsesoyuznava konferentsiva-seminar po teorii i metodam matematichaskogo modeliroyaniya, 4th. Kiev. 1964. Vychislitel'naya tekhnika v upravlenii (Computer technology in control engineering); trudy konferentsii. Moscow, Izd-vo Nauka, 1966, 187-190

TOPIC TAGS: analog digital converter, computer input unit, tunnel diode, data transmission, data processing, analog digital computer system, digital analog converter, flip flop circuit

ADSTRACT: The new system consists of a single digital to analog converter, a counter C, fed through gate G from the pulse generator GEN. The unknown voltages $U_1, U_2, \dots U_n$ are applied to the inputs of voltage comparators COM 1, COM 2,...,COM n. A signal from the shift register REG sets the flip flop RR3, which in turn opens the gate G. The pulses flow into counter C, are counted, and fed into the digital computer in binary form. Simultaneously, an analog reference voltage proportional to the number of pulses is generated in the digital to analog converter. This staircase voltage is introduced into the comparators COM 1, through COM n. At the moment that one of the un-

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known voltages becomes equal to the instantaneous value of the reference voltage, a signal from the appropriate comparator triggers one of the FF 1 flip flops. The output pulse from FF 1 sets the corresponding FF 2 flip flop, resets the FF 3, and enters the shift register REG. FF 3 turns off the gate G, thus fixing the instantaneous counter contents. FF 2 generates a pulse which identifies the counter contents with the corresponding input signal (Al, A2...A_n). Timing pulses from the digital computer are fed into input IN 1 of the shift register and used to advance its contents. As soon as the counter information is transferred into the computer, gate G is opened through FF 3 by the shift-register REG and the process continues until the next voltage level coincidence occurs in one of the input comparators. When the counter is completely filled, an impulse from it resets all flip flops FF 1 into their initial state. Tunnel diodes are used in the voltage comparators COM 1 through COM n, as coincidence sensing elements. The comparator circuit and an explanation of its operation are included. The circuit is conventional. Orig. art. has: 5 figures, 4 formulas.

SUB CODE: 09/ SUBM DATE: 12Feb66/ ORIG REF: 003/ OTH REF: 001

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UTHOR: Bezrukov, V. I.; Lapitskiy, A. V. (Deceased); Klimov, V. V.; Kisel', W. G. RG: Donets Ergyle'n of the All-Union Scientific Research Institute for Chemical R cagents and High Purity Compounds (Donetskiy filial vsesoyuznogo nauchno-issledovatel- kogo instituta khimicheskikh reaktivov i osobo chistykh veshchtsiv) ITIE: Heteroniobates of rare earth elements of the cerium- and yttrium subgroups OURCE: AN SSSR. Doklady, v. 169, no. 5, 1966, 1075-1076 OPIC TAGS: niobate, niobium compound, cerium, yttrium, rare earth element BESTRACT: Interaction between the aqueous solutions of potassium niobate with the salts of rare earth elements was studied by nephelometric technique. It was found that at the neutral point He(OH) (NbO ₃) ₂ is formed; He is a rare earth element. The water- coluble complex of heteroniobates are formed upon dissolving of the He(OH) (NbO ₃) ₂ in the excess of potassium niobate. It was found that the breaking point on the transpanency curve corresponds to Me:Nb=1:2. It was also found that He(OH) (NbO ₃) ₂ precipitates at pH=6 and that it dissolves at pH=9.2-9.5 and the He:Nb ratio is 1:9. Two recomposition of the heteroniobates of the rare earth elements. The general formula of these heteroniobates was found to be 3K ₂ O·Me ₂ O ₃ ·4Nb ₂ O ₃ ·(17.9-19.8)H ₂ O. It was also UDC: 546.651'882:541.49	L 05830-67 EWT(m)/EWP(t)/ETI IJP(c)	JD/JG	en, o na los esterna selambia, analida a sis	
RG: Donets Branch of the All-Union Scientific Research Institute for Chemical Reagents and High Purity Compounds (Donetskiy filial vsesoyuznogo nauchno-issledovatel-kogo instituta khimicheskikh reaktivov i osobo chistykh veshchtiv) 17 ITLE: Heteroniobates of rere earth elements of the cerium- and yttrium subgroups OURCE: AN SSSR. Doklady, v. 169, no. 5, 1966, 1075-1076 OPIC TAGS: niobate, niobium compound, cerium, yttrium, rere earth element BSTRACT: Interaction between the aqueous solutions of potassium niobate with the salts of rere earth elements was studied by nephelometric technique. It was found that at the neutral point He(OH) (NbO ₃) ₂ is formed; He is a rere earth element. The water-holuble complex of heteroniobates are formed upon dissolving of the He(OH) (NbO ₃) ₂ in the excess of potassium niobate. It was found that the breaking point on the transparency curve corresponds to Me:Nb=1:2. It was also found that He(OH) (NbO ₃) ₂ precipitates at pH=6 and that it dissolves at pH=9.2-9.5 and the Ne:Nb ratio is 1:9. Two express of thermal effects, endothermic and exothermic, were observed in the curve of calcination of the heteroniobates of the rere earth elements. The general formula of these heteroniobates was found to be 3K ₂ O·Me ₂ O ₃ ·4Mb ₂ O ₅ ·(17.9-19.8)H ₂ O. It was also UDC: 546.651'882+546.66'882:541.49	ACC NRI AP6030019		SOURCE CODE:	UR/0020/66/169/005	\T0\2\T0\#
ITIE: Heteroniobates of rere earth elements of the cerium- and yttrium subgroups OURCE: AN SSSR. Doklady, v. 169, no. 5, 1966, 1075-1076 OPIC TAGS: niobate, niobium compound, cerium, yttrium, rare earth element BSTRACT: Interaction between the aqueous solutions of potassium niobate with the salts of rare earth elements was studied by rephelometric technique. It was found that at the neutral point Me(OH) (NbO ₃) ₂ is formed; Me is a rare earth element. The water- boluble complex of heteroniobates are formed upon dissolving of the Me(OH) (NbO ₃) ₂ in the excess of potassium niobate. It was found that the breaking point on the transparency curve corresponds to Me:Nbel:2. It was also found that He(OH) (NbO ₃) ₂ precipitates at pH=6 and that it dissolves at pH=9.2-9.5 and the Me:Nb ratio is 1:9. Two types of thermal effects, endothermic and exothermic, were observed in the curve of calcination of the heteroniobates of the rare earth elements. The general formula of these heteroniobates was found to be 3K ₂ O·Me ₂ O ₃ ·4Mb ₂ O ₅ ·(17.9-19.8)H ₂ O. It was also UDC: 546.651'882+546.66'882:541.49	UTHOR: Bezrukov, V.	I.; Lepitskiy, A. V.	Deceased); Kli	mov, V. V.; Kisel'	<u>. и. с.</u> 33
ITIE: Heteroniobates of rere earth elements of the cerium- and yttrium subgroups OURCE: AN SSSR. Doklady, v. 169, no. 5, 1966, 1075-1076 OPIC TAGS: niobate, niobium compound, cerium, yttrium, rare earth element BSTRACT: Interaction between the aqueous solutions of potassium niobate with the salts f rare earth elements was studied by nephelometric technique. It was found that at the neutral point He(OH) (NbO ₃) ₂ is formed; He is a rare earth element. The water- soluble complex of heteroniobates are formed upon dissolving of the He(OH) (NbO ₃) ₂ in the excess of potassium niobate. It was found that the breaking point on the transpanency curve corresponds to He:Nbel:2. It was also found that He(OH) (NbO ₃) ₂ precipitates at pH=6 and that it dissolves at pH=9.2-9.5 and the Ne:Nb ratio is 1:9. Two sypes of thermal effects, endothermic and exothermic, were observed in the curve of calcination of the heteroniobates of the rare earth elements. The general formula of these heteroniobates was found to be 3K ₂ O·He ₂ O ₃ ·4Nb ₂ O ₅ ·(17.9-19.8)H ₂ O. It was also	RG: Donets Branch	of the All-Union Scien	ntific Research	h Institute for Ch	enical R
ITIE: Heteroniobates of rere earth elements of the cerium- and yttrium subgroups OURCE: AN SSSR. Doklady, v. 169, no. 5, 1966, 1075-1076 OPIC TAGS: niobate, niobium compound, cerium, yttrium, rare earth element BSTRACT: Interaction between the aqueous solutions of potassium niobate with the salts of rare earth elements was studied by nephelometric technique. It was found that at the neutral point He(OH) (NbO ₃) ₂ is formed; He is a rare earth element. The water- coluble complex of heteroniobates are formed upon dissolving of the He(OH) (NbO ₃) ₂ in the excess of potassium niobate. It was found that the breaking point on the transparency curve corresponds to Me:Nbs1:2. It was also found that He(OH) (NbO ₃) ₂ precipitates at pH=6 and that it dissolves at pH=9.2-9.5 and the Me:Nb ratio is 1:9. Two types of thermal effects, endothermic and exothermic, were observed in the curve of these heteroniobates was found to be 3K ₂ O·He ₂ O ₃ ·4Nb ₂ O ₅ ·(17.9-19.8)H ₂ O. It was also UDC: 546.651'882+546.66'882:541.49	cagents and High Puri	ty Compounds (Donetski	y filial veeso	yuznogo nauchno-1	STedoAster-
OURCE: AN SSSR. Doklady, v. 169, no. 5, 1966, 1075-1076 OPIC TAGS: niobate, niobium compound, cerium, yttrium, rare earth element BSTRACT: Interaction between the aqueous solutions of potassium niobate with the salts of rare earth elements was studied by nephelometric technique. It was found that at the neutral point Me(OH) (NbO3)2 is formed; Me is a rare earth element. The water-soluble complex of heteroniobates are formed upon dissolving of the Me(OH) (NbO3)2 in the excess of potassium niobate. It was found that the breaking point on the transparency curve corresponds to Meinbell2. It was also found that Me(OH) (NbO3)2 precipitates at pH=6 and that it dissolves at pH=9.2-9.5 and the Me:Nb ratio is 1:9. Two types of thermal effects, endothermic and exothermic, were observed in the curve of calcination of the heteroniobates of the rare earth elements. The general formula of these heteroniobates was found to be 3K2O*Me2O3*4Nb2O5*(17.9-19.8)H2O. It was also UDC: 546.651*882+546.66*882:541.49	kogo instituta khimid	heskikh reaktivov i os	opo curataku A	A SUC # 42 JAY	
BSTRACT: Interaction between the aqueous solutions of potassium niobate with the salts of rare earth elements was studied by nephelometric technique. It was found that at the neutral point Me(OH) (NbO ₃) ₂ is formed; He is a rare earth element. The water-soluble complex of heteroniobates are formed upon dissolving of the Me(OH) (NbO ₃) ₂ in the excess of potassium niobate. It was found that the breaking point on the transpanency curve corresponds to MeiNbeli2. It was also found that Me(OH) (NbO ₃) ₂ precipitates at pH=6 and that it dissolves at pH=9.2-9.5 and the Me:Nb ratio is 1:9. Two types of thermal effects, endothermic and exothermic, were observed in the curve of calcination of the heteroniobates of the rare earth elements. The general formula of these heteroniobates was found to be 3K ₂ O·Me ₂ O ₃ ·4Mb ₂ O ₅ ·(17.9-19.8)H ₂ O. It was also UDC: 546.651'882+546.66'882:541.49	ITLE: Heteroniobates	of rere earth element	s of the ceri	m- and yttrium sub	groups
BSTRACT: Interaction between the aqueous solutions of potassium niobate with the salts of rare earth elements was studied by nephelometric technique. It was found that at the neutral point Me(OH) (NbO ₃) ₂ is formed; Me is a rare earth element. The water-soluble complex of heteroniobates are formed upon dissolving of the Me(OH) (NbO ₃) ₂ in the excess of potassium niobate. It was found that the breaking point on the transparency curve corresponds to Me:Nb=1:2. It was also found that Me(OH) (NbO ₃) ₂ precipitates at pH=6 and that it dissolves at pH=9.2-9.5 and the Me:Nb ratio is 1:9. Two types of thermal effects, endothermic and exothermic, were observed in the curve of calcination of the heteroniobates of the rare earth elements. The general formula of these heteroniobates was found to be 3K ₂ O·Me ₂ O ₃ ·4Nb ₂ O ₅ ·(17.9-19.8)H ₂ O. It was also UDC: 546.651'882+546.66'882:541.49	OURCE: AN SSSR. Dok	lady, v. 169, no. 5, 19	66, 1075-1076	•	
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SOURCE CODE: UR/0413/66/000/014/0042/0042

INVENTORS: Klimov, V. V.; Andreyev, A. Ya.; Nakhodnova, A. P.; Kozachenko, V. N.; Akhkozov, Ye. A.; Ivanov, D. G.; Didkovskaya, O. S.; Zvonik, V. A.

ORG: none

TITLE: A method for obtaining a piezoceramic material. Class 21, No. 183812 Cannounced by Donots Branch of All-Union Scientific Research Institute of Chemical Reagents and of High Purity Chemicals (Donetskiy filial Vsesoyuznogo nauchnoissledovatel skogo instituta khimicheskikh reaktivov i osobo chistykh khimicheskikh veshchostv)

SOURCE: Izobret prom obraz tov zn, no. 14, 1966, 42

TOPIC TAGS: piezoelectric ceramic, barium compound, lead compound, calcium compound, titanium compound, sintered alloy

ABSTRACT: This Author Certificate presents a method for obtaining a piezoceramic material from a mixture of barium, lead, calcium, and titanium compounds by sintering this mixture. To lower the temperature of sintering this material, the above compounds are used in the form of nitric acid solutions of barium, lead, calcium, and titanium. This solution is atomized in a stream of air at the temperature of 400— 500C. After this, the powder is sintered at the temperature of 800-1000C. SUB CODE: 11/ SUBM DATE: 21May64

STANSFORMERS IN STRUCTURE

UDG: 621.315.612:537.226.33

ACC NR: AT6022244

SOURCE CODE: UR/0000/66/000/000/0023/0027

AUTHOR: Klimov, V. V.; Kovalin, Ya. V.;

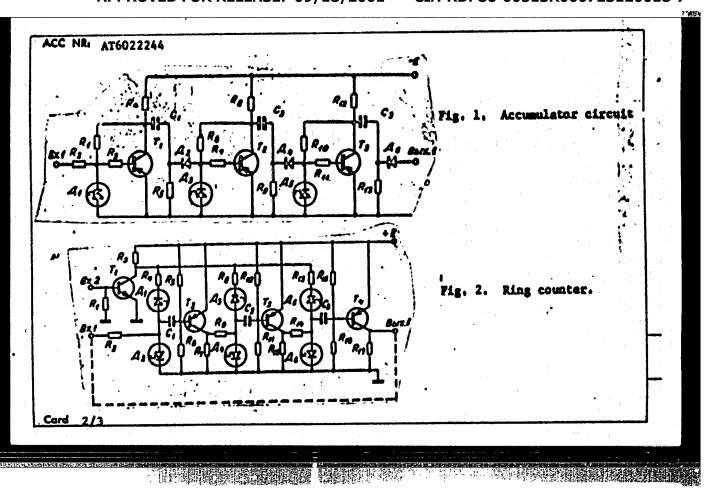
ORG: Sverdlovsk Department of the Mathematical Institute AN SSSR (Sverdlovskoys otdeleniye matematicheskogo instituta AN SSSR)

TITLE: Electronic counters using tunnel diodes and transistors

SOURCE: Vsesoyuznaya nauchnaya sessiya, posvyashchennaya Dnyu radio. 22d, 1966. Sektsiya elektronno-vychislitel'noy tekhniki. Doklady. Hoscow, 1966, 23-27

TOPIC TAGS: pulse counter, tunnel diode, flip flop circuit, franciston, differentiation, circuit, circuit fless, 1914 transcator, 9403 transcator, 6603 transcator, Dooy Farm diode ABSTRACT: Two counter circuits -- an accumulator and a ring counter: are shown are described. Although they both utilize tunnel diodes, the counting frequency of both is 300 kc. In the first counter (see Fig. 1), trigger flip-flops are formed by low frequency transistors P14 and tunnel diodes with peak current equal to 2.4 ma. For reliable operation, the triggering pulses must be narrow and for this reason the RC differentiator circuits are used for interstage coupling. The second circuit (see Fig. 2) is a ring counter. It consists of tunnel diode flip-flops with transistor amplifiers. Fener diodes are used to prevent transistor saturation. They increase the flip-flop sensitivity threshold and speed up the flip-flop reset action. Two outputs from the ring counter are available: voltage level output from the

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ACC NR: AP6022002

SOURCE CODE: UR/0120/66/000/003/0095/0097

AUTHOR: Klimov, V.; Kovalin, Ya. V.

ORG: Sverdlovsk Department of the Mathematical Institute, AN SSSR (Sverdlovskeye otdeleniye Matematicheskogo instituta AN SSSR)

TITLE: Electronic counters using tunnel diodes and transistors

SOURCE: Pribory i tekhnika eksperimenta, no. 3, 1966, 95-97

TOPIC TAGS: pulse counter, tunnel diode

ABSTRACT: Two counter circuits—an accumulator and a ring counter—whose diagrams are shown are described. Although they both utilize tunnel diodes, the counting frequency of both is 300 kc. In the first counter (Fig. 1), trigger flip-flops are formed by low frequency transistors Pl4 and tunnel diodes with peak current equal to

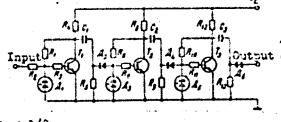


Fig. 1. Accumulator circuit

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UDC: 621.374.32:621.382

ACC NR: AP6022002

2.4 ma. For reliable operation, the triggering pulses must be narrow and for this reason the RC differentiator circuits are used for interstage coupling. The second circuit (Fig. 2) is a ring counter. It consists of tunnel diede flip-flops with transistor amplifiers. Zener diedes are used to prevent transistor saturation. They

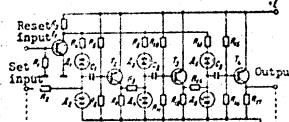


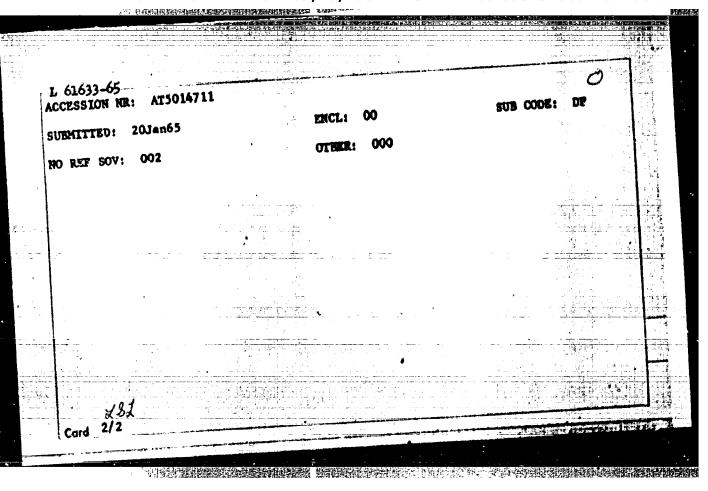
Fig. 2. Ring counter

Increase the flip-flop sensitivity threshold and speed up the flip-flop reset action. Two outputs from the ring counter are available: voltage level output from the tunnel diodes, and pulse output from them, after after the flip counter makes use of tunnel diodes with a peak current equal to 2.5 mm. The first diodes, and P403 and P503 transistors. Orig. art. Mas: 3 (gures.

SUB CODE: 09/ SUBM DATE: 06May i/ ORIG REF: 001/ OTH REF: 001/ ATD PRESS 5033

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ENT(d)/KED-2/EMP(1) Pq-li/Pg-li/Pk-li LIP(c) BB/00 AT5014711 UR/0000/65/000/000/0053/0058 L 61633-65 BB/00/05 ACCESSION NR: AT5014711 25 AUTHOR: Klimov, V. V. TITLE: Tunnel diode memory units with information-preserving information retrieval SOURCE: Operativnyye i postoyannyye zapominayushchiye ustroyetva (Rapid and nonvolatile storage); sbornik statey. Leningrad, Izd-vo Energiya, 1965, 53-58 TOPIC TAGS: two diode memory unit, information preserving memory reading, tunnel diode memory ABSTRACT: In addition to the known memory call with information-preserving information retrieval (Sims, Bek, Kamm, Use of tunnel diodes in digital computers, Proceedings of the IRI (translation) 1961, v. 49, no. 1), this paper proposes two new alternative memory calls with similar properties based on two tunnel diodes, and discusses various changes in their operative conditions yielding different sensitivities and speeds, and requiring varying amounts of material during their incorporation into larger units. Orig. art. has: 10 formulas and 4 figures. ASSOCIATION: None Card



IJP(c) Pm-4/Pz-6/Peb/Pj-4 ENT(1)/ESC(k)-2/T/ESC(b)-2/EWA(h) S/0141/64/007/006/1226/1229 L 39682-65 ACCESSION NR: APSO06044 AUTHOR: Klimov, V. V. Tunnel diode pircuits for storage units with nondestructive TITLE: V readout Radiofizika, v. 7, no. 6, 1964, 1226-1229 IVUZ. SOURCE: TOPIC TAGS: tunnel diode storage element, nondestructive readout, computer element ABSTRACT: Two variants of a tunnel diode circuit for use in storage units with nondestructive readout are examined. The first (Fig. 1 of Enclosure) consists of trigger circuit R2D2, with resistor r and self-excited oscillator LD; connected in parallel. Hf oscillations arise in the circuit when D2 is in the low-voltage (1) state. When D2 is in the high-voltage (0) state, LD1 functions as a monostable multivibrator. Data are read in the form of helf-currents through inputs x and y. To minimize the considerable current drop in D2, an additional resistor is included in the trigger of the Card 1/12

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second variant (Pig. 2), and the peak current of D₂ is considerably higher than that of D₁. Depending on the state of the trigger, the flip-flop oscillator is fed by positive or negative pulses at input A. Even with the use of low-quality P-2 diodes, the pulse fronts of the trigger do not exceed 0.03 page. In a matrix based on either of these circuits, the readout outputs of cells of the same state are common to a single amplifier, and parallel operation is possible. Orig. art. has: 3 figures and 2 formulas.

ASSOCIATION: Sverdlovskoye otdele Mniye Matematichaskogo institute im. B. A. Steklova AN SSSR (Sverdlovsk Branch, Mathematics Institute, AN SSSR)

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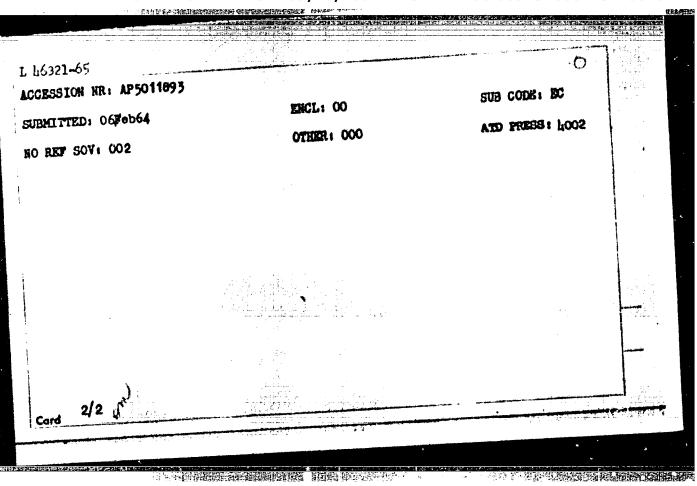
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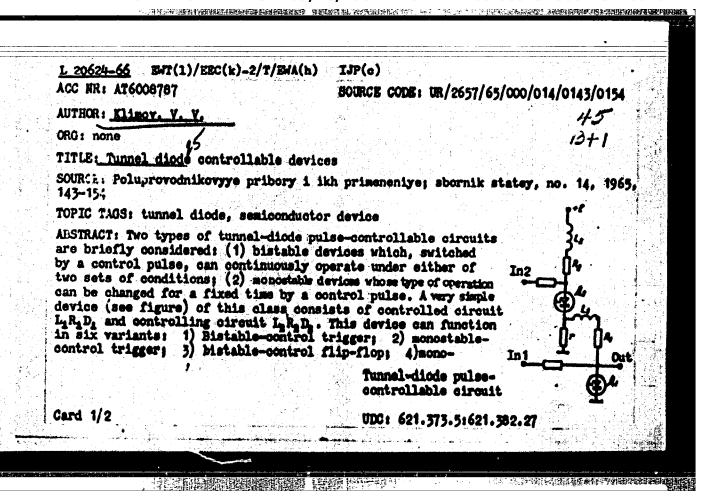
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Cord 2/3

AUTHOR: Elimov, V. V. TITLE: Tunnel diode-transistor controllable circuits SOURCE: Pribory 1 tekhnika eksperimenta, no. 2, 1965, 179-180 TOPIC TAGS: tunnel diode, transistor ABSTRACT: Two types of tunneldiode-transistor circuits whose mode of operation can be controlled by a pulse are considered. One circuit operating as an oscillator and a single-shot multivibrator was tested experimentally with an R2 tunnel diode (peak current, 2 ma) and a P405 transistor (20 v). Another circuit a trigger and a single-shot multivibrator—uses the same R2 tunnel diode and		
TITLE: Tunnel diode-transistor controllable circuits SOURCE: Pribory 1 tekhnika eksperimenta, no. 2, 1965, 179-180 TOPIC TAGS: tunnel diode, transistor ABSTRACT: Two types of tunneldiode-transistor circuits whose mode of operation can be controlled by a pulse are considered. One circuit operating as an oscillator and a single-shot multivibrator was tested experimentally with an R2 tunnel diode (peak current, 2 ma) and a P403 transistor (20 v). Another circuit		
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ABSTRACT: Two types of tunneldiods-transistor circuits whose mode of operation can be controlled by a pulse are considered. One circuit operating as an oscillator and a single-shot multivibrator was tested experimentally with an R2 tunnel diode (peak current, 2 ma) and a P403 transistor (20 v). Another circuit —		
operation can be controlled by a pulse are considered. One circuit operating as an oscillator and a single-shot multivibrator was tested experimentally with an R2 tunnel diode (peak current, 2 ma) and a P403 transistor (20 v). Another circuit		
PA10 transistor. Control of the circuits is explained graphically. Orig. art. has:	· · · · :	
5 figures.		
ASSOCIATION: Sverdlovskoye otdeleniye Matematicheskogo instituta AN SSSR (Sverdlovsk Branch, the Mathematical Institute, AN SSSR)		
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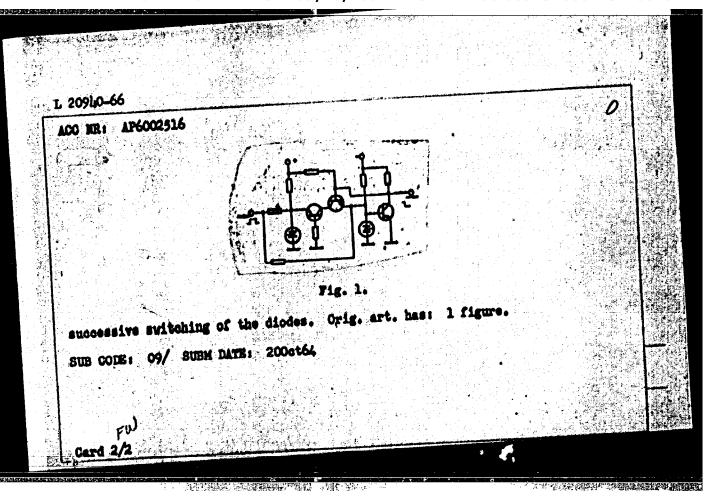
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ACC MR: AP6002516 (N) SOURCE COIE: UR/0286/65/000/023/0023/0023 AUTHOR: Klimov, V. V. ORG: none TITLE: A potential trigger: Class 21, No. 176603 SOURCE: Byulleten' isobreteniy i tovarnyth snakov, no. 23, 1965, 23 NOPIC TAGS: trigger circuit, sensitivity increase ABSTRACT: This Author Certificate presents a potential trigger motivated by a pulse of one polarity and cut off by a pulse of the other polarity. The trigger lices of seeigned for determining the sign of a function. It consists of two tunnel diodes with bi-stable states. These diodes control three transistors with a civity and the load capacity of the trigger. The tunnel diodes are connected to a circuit of two series-connected transistors with different types of conductivity. The base of the n-p-n type supplementary transistor of this circuit is connected with the collector of the p-n-p type output transistor, thus forming a circuit with mitual feedback between the diodes. This design promotes the lard 1/2 UDC: 621,374.3				
AUTHOR: Klimov, V. V. ORG: none TITLE: A potential trigger. Class 21, No. 176603 SOURCE: Byulleten' isobreteniy i tovarnyth snakov, no. 23, 1965, 23 NOPIC TACS: trigger circuit, sensitivity increase ABSTRACT: This Author Certificate presents a potential trigger motivated by a pulse of one polarity and cut off by a pulse of the other polarity. The trigger list designed for determining the sign of a function. It consists of two tunnel diodes with bi-stable states. These diodes control three transistors with a common input to both tunnel diodes (see Fig. 1). The design increases the sensitivity and the load capacity of the trigger. The tunnel diodes are connected construct of two series—connected transistors with different types of conductivity. The base of the n-p-n type supplementary transistor of this circuit is connected with the collector of the p-n-p type output transistor, thus forming a lircuit with mutual feedback between the diodes. This design promotes the	209 <u>60-66</u> ENT(1)/E	(A)b)		
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KLIMOV, V.V., inzh.

Natural projection of design points using an approximation method. Energ. stroi. no. 4:73-75 '65. (MIRA 18:12)

REMGEVICH, A.A., dotsent, kand.tekhn.nauk; KUZNETSOV, B.A., dotsent, kand. tekhn.nauk; BILICHERKO, H. Ya., dotsent, kand.tekhn.nauk; BILAH, I. Ye., gornyy inshener; KLIMOV, V.V., gornyy inshener.

Mine dynamometer car and its apparatus. Vop. rud. transp. no.2:183-217 1957. (MIRA 14:4)

Dnepropetrovskiy gornyy institut.
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 (Dynamometer)

RENGEVICH, A.A., dotsent, kand.tekhn.nauk; RLIMOV, V.V., grnyy inshener

Testing of an electromagnetic rail brake. Vop. rud. transp.

no.2:259-272 1957. (MIRA 14:4)

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(Mine railroads—Brakes)

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SOV/122-59-5-16/32

AUTHORS: Bilan, I.Ye., Engineer; Klimov, V.V., Engineer, and

Rengevich, A.A., Candidate of Technical Sciences,

Docent

TITLE: Electric Dynamometer with Sensitive Wire Strain

Gauges (Elektricheskiye dinamometry a chuvatvitel'nymi

provolochnymi datchikami)

PERIODICAL: Vestnik mashinostroyeniya, 1959, Nr 5, pp 47-49 (USSR)

ABSTRACT: Electric dynamometers for a dynamometric mine car

made by the Dnepropetrovsk Mining Institute

(Dnepropetrovskiy Gornyy institut) are illustrated and described. The working element consists of a tube, threaded at each end for screwed-on lug components. Two strain gauges of "Nichrome" wire of 0.2 mm diameter

are attached inside the tube pre-loaded against thrust rings. The pre-tension can be adjusted with screws.

Two compensating strain gauges are also mounted inside

a tube on an unstrained insulated base. The four gauges are connected in a bridge. The strain gauges are either single-wire wound or two-wire parallel wound.

Card 1/3 The dynamometer cavity is filled with transformer oil.

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Electric Dynamometer with Sensitive Wire Strain Gauges

The working element is made of steel for units exceeding 1000 kg capacity. In 250 and 500 kg units the tubular element is made of "perspex" type plastic. The table gives dimensions for units from 0.25 to 100 tons. The diagonal of the bridge contains in parallel a micro-ammeter and a coil of the electromagnetic oscillograph which can be connected at will by means of a switch. In dynamometers measuring alternating loads, the strain gauges are pre-loaded to 55% of the proportionality limit. The unbalance current in the bridge diagonal is related to the change of resistance and other electrical quantities. Two experimental two-range dynamometers with ranges of 3 and 30 tons both ways or 5 and 50 tons. respectively, have been made which have an inner and outer tubular element. The inner element is designed identically with the single-range unit. The outer tubular element is connected to the same lug component at the ends but a clearance is left so that the outer element takes over when the inner is fully

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Electric Dynamometer with Sensitive Wire Strain Gauges

extended. About 30 of these dynamometers were made at the Institute and at the Toretskiy Ergincering Works (Toretskiy mashinostroitel'nyy zavod). In practice these units have an error below 3%. They operate with electro-magnetic oscillographs without amplifiers. Their time lag amounts to 0.3 milliseconds. There are 4 figures, 1 table and 3 Soviet references.

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RENGEVICH, A.A., kand, tekhn. nauk; KLIHOV, V.V., gornyy insh.

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Braking efficiency of trains with electric mine locomotives. Vop. rud. transp. no.5:278-297 161. (MIRA 16:7)

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 2. Institut gornogo dela AN UkrSSR (for Klimov).
 (Mine railroads—Brakes)
 (Electric locomotives)

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POLYAKOV, N.S.; RENGEVICH, A.A., kand.tekhn.nauk; KUZNETSOV, B.A., kand.-tekhn.nauk; KLIMOV, V.V., inzh.; BILAN, I.Ye., inzh.

Normative data for fulfilling haulage estimates of electric mine haulage and for designing mine rolling stock. Vop. rud. transp. no.6:163-180 '62. (MIRA 15:8)

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REHOEVICH, A.A., kand. tekhn.nauk; KLIMOV, V.V., gornyy inzhener: BILAN, I. Ye., gornyy inshener Industrial testing of a mine dynamometer railraod car. Vop. rud. transp. no.3:272-286 1959. (HIRA 1414) 1. Dnepropetrovskiy gornyy institut.
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